1. Which two monosaccharides make up sucrose?

1. glucose + glucose
2. glucose + fructose
3. galactose + glucose

answer: b

2. Which type of lipid has a carboxyl group linked to a hydrocarbon chain?

1. fatty acid
2. fat
3. phospholipid
4. steroid

answer: a

3. The definition of an isomer is:

1. two monosaccharides joining together
2. thousands of monosaccharides joining together
3. molecules with same chemical formula but different arrangement of atoms

answer: c

4. Lipids can:

1. form cell membranes
2. regulate cellular activities
3. become an energy source
4. all of the above

answer: d

5. A protein type of structure that forms a folded or coiled pattern is a:

1. Primary structure
2. Secondary Structure
3. Tertiary structure
4. Quaternary structure

Answer: c

Short Answer:

1. What is the difference between unsaturated and saturated fatty acids?

Saturated fatty acids have all carbons linked together with single bonds, is derived from animals and has negative health effects. Unsaturated fatty acids have double bonds, are derived from plants and can improve health.

2. What is a nucleotide made up of?

It is made up of a nitrogen base, five carbon sugar either ribose or deoxyribose, and a phosphate group.